PATENT ABSTRACTS OF JAPAN

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(54) CONTENT SECURITY METHOD OF INTERNET AND SYSTEM THEREFOR

(57)Abstract:
PROBLEM TO BE SOLVED: To prevent a user who is not allowed to gain
access to access limited contents by providing the limited contents in a
directory other than service directories on a server and permitting a user
who is allowed to gain access to access the limited contents.
SOLUTION: A parameter judging means 6 checks whether or not a user
sent from a user terminal 10 is present and whether or not a password is
correct according to data stored previously in a data base provided in the
directory 3 other than the service directories 2 on the server 1. When it is
judged that the user is permitted to access the limited contents B, an
access means 7 accesses the initial HTML page (e.g. menu page) of the
limited contents B set previously corresponding to parameters, sends the
initial HTML page similarly to a password page, and displays it on a display
device 13.
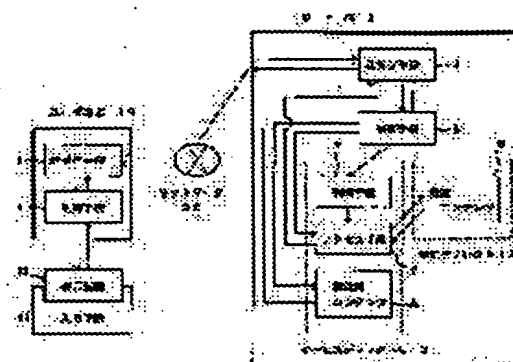
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CLAIMS

[Claim(s)]
[Claim 1] When a user prepares on a server the service directory which can be perused freely and gives a specific parameter from a user terminal In the contents security approach of the Internet that the access permission to the limited contents of the specified use corresponding to the above-mentioned parameter is given among the contents prepared in the above-mentioned service directory The above-mentioned limited contents are prepared in other directories other than the service directory on the above-mentioned server. The contents security approach of the Internet characterized by accessing the above-mentioned limited contents when it is judged that it is access [user / by whom the above-mentioned access permission was given].
[Claim 2] When a user prepares on a server the service directory which can be perused freely and gives a specific parameter from a user terminal In the contents security system of the Internet by which the access permission to the limited contents of the specified use corresponding to the above-mentioned parameter is given among the contents prepared in the above-mentioned service directory While being prepared in the above-mentioned limited contents with which other directories other than the service directory on the above-mentioned server were equipped, and the service directory on the above-mentioned server The contents security system of the Internet characterized by having an access means to access the above-mentioned limited contents when it is judged that it is access [user / by whom the above-mentioned access permission was given].

[Translation done.]

DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Industrial Application] This invention relates to the contents security approach and system of the Internet which are used in the Internet system.
[0002]
[Description of the Prior Art] Now, the Internet system by which many and unspecified users connected through the network stretched and plotted all over the world can peruse freely the contents created on the server spreads, and the service only for a specific user is also increasing in it. This service manages user ID, a password, etc., and when it is judged that he is the specific user by whom authorization of access was given with the password check, it enables it to peruse the limited contents created for the specific user. Hereafter, this conventional security system is explained based on drawing 4 .
[0003] On the server 31 used in the Internet system, the service directory 32 which can be freely perused through a network 34 from a user terminal 33 by the browser which is a browser is formed, and the release contents A by which release is carried out, the above-mentioned limited contents B, etc. are edited into this service directory 32.
[0004] When perusing the HTML page of the release contents A from the above-mentioned user terminal 33, it can access and peruse by choosing and performing the link which carried out the direct input of the URL which is the server address of the HTML page made into the object from the above-mentioned browser, and the address in a server, or was prepared in the HTML page under present access.
[0005] Moreover, when perusing the HTML page of the above-mentioned limited contents B from the above-mentioned user terminal 33, the HTML page (henceforth a password page) which enters user ID, a password, etc. like the case of the above-mentioned release contents A is displayed. Next, when user ID and a password were entered from this password page and it is judged based on the data of the database which it had beforehand on the server that whether the user ID inputted as mentioned above existing and a password are the users by whom the check of the right etc. was performed and the access permission to the above-mentioned limited contents B was given, these limited contents B can be accessed and it can peruse.
[0006] However, the contents generally edited into the above-mentioned service directory 32 on a server 31 can be accessed regardless of distinction of the release contents A, the limited contents B, etc. by carrying out the direct input of the URL of these contents on the above-mentioned browser. Therefore, with the above conventional security, when the above-mentioned password page establishes a link in the release contents A etc. or the limited contents B make URL of itself secret to carrying out [exhibit / direct URL], it has prevented being accessed by the above-mentioned limited contents B without passing through the above-mentioned password page.
[0007]
[Problem(s) to be Solved by the Invention] With the above conventional security, if known, the location, i.e., URL of the above-mentioned limited contents B, even if it is the user by whom the access permission is not given, access to the above-mentioned limited contents B can be performed by carrying out the direct input of this URL on the above-mentioned browser.
[0008] Therefore, although URL of the above-mentioned limited contents B is made secret For example, when URL of release and the limited contents B is alike From URL of the release contents A, the user by whom the access permission is not given guesses URL of the above-mentioned limited contents B, and inputs, or Moreover, it may happen that will input URL of the above-mentioned limited contents B by chance, and URL of the above-mentioned limited contents B will be known or to use URL of the above-mentioned limited contents B which could be known before, after the user who had the access permission before loses rating.
[0009] With the conventional security, it was not able to prevent thoroughly being accessed by the user by whom the access permission is not given to the above-mentioned limited contents B as mentioned above.
[0010] This invention is proposed in view of the above-mentioned situation, only the user by whom the access permission to the above-mentioned limited contents was given can access it to these limited contents, and the user by whom the access permission is not given aims at offering the contents security approach and system of the Internet which can prevent accessing to these limited contents certainly.
[0011]
[Means for Solving the Problem] This invention has adopted the following means, in order to attain the above-mentioned object. Namely, when a user forms the service directory 2 which can be perused freely on a server 1 and gives a specific parameter from a user terminal 10 In the contents security approach of the Internet that the access permission to the limited contents B of the specified use corresponding to the above-mentioned parameter is given among the contents prepared in the above-mentioned service directory 2 The above-mentioned limited contents B were formed in other directories 3 other than service directory 2 on the above-mentioned server 1, and when it is judged that it is access [user / by whom the above-mentioned access permission was given], a means to access the above-mentioned limited contents B is adopted.
[0012] While specifically being prepared in the service directory 2 on the above-mentioned limited contents B with which other directories 3 other than service directory 2 on the above-mentioned server 1 were equipped, and the above-mentioned server 1, when it is judged that it is access [user / by whom the above-mentioned access permission was given], it realizes by having an access means to access the above-mentioned limited contents B.
[0013]
[Embodiment of the Invention] Drawing 1 is the conceptual diagram of the network where the contents security system of the

Internet of this invention is applied, <u>drawing 2</u> is the block diagram of one example of the contents security system of the Internet of this invention, and <u>drawing 3</u> is flow drawing showing the procedure in the above-mentioned system, and it explains it based on drawing below.

[0014] In this example, the release contents A which contain a password page in the service directory 2 on a server 1, the parameter decision means 6, and the access means 7 are formed for the limited contents B in other directories 3 other than service directory 2.

[0015] When perusing the above-mentioned limited contents B on the server 1 connected through the network 20 from the user terminal 10, the above-mentioned password page first prepared in the above-mentioned service directory 2 is displayed. [whether this procedure inputs URL of the direct above-mentioned password page from on the browser started by the control means 11 of the above-mentioned user terminal with the input means 14, such as a keyboard of the above-mentioned user terminal 10, and a mouse, and] Or if the link of the above-mentioned password page prepared in the HTML page of the release contents A is chosen and performed (S1) URL of the above-mentioned password page is sent to the transceiver means 4 of the above-mentioned server 1 from this transceiver means 4 next through a network 20 from the transceiver means 12 of a user terminal 10 to a control means 5 based on the server address in this URL (S2). This control means 5 sends the above-mentioned password page to the above-mentioned transceiver means 12 of the above-mentioned user terminal 10 through the above-mentioned transceiver means 4 and a network 20 based on the address in a server in sent URL. Next, in the above-mentioned user terminal 10, the transmitted above-mentioned password page is displayed on the display 13 of the above-mentioned user terminal 10 by the above-mentioned browser (S3).

[0016] And next, if a user gives and enters user ID and a password into this password page as a parameter with the above-mentioned input means 14 (S4), it will be transmitted to the above-mentioned control means 5 through the transceiver means 4 of the above-mentioned network 20 and the above-mentioned server 1 from the above-mentioned transceiver means 12 like URL of the above-mentioned password page, and the parameter decision means 6 will be started by this control means 5. With this parameter decision means 6, the above-mentioned user ID transmitted to the database formed in other directories 3 other than the above-mentioned service directory 2 on a server 1 from the user terminal 10 based on the data stored beforehand exists, or the above-mentioned password is performing that check (S5) of the right.

[0017] Consequently, when it is judged that he is the user by whom the access permission to the above-mentioned limited contents B was given, it accesses to the initial HTML pages (for example, menu page shown in <u>drawing 4</u>) of the limited contents B to which the access means 7 was beforehand set corresponding to the above-mentioned parameter (S6), this initial HTML page is transmitted to the above-mentioned user terminal 10 like the above-mentioned password page, and it is made to display on the above-mentioned display 13 (S7). at least one display [degree] items 21 (for example, item of the HTML page which can be displayed on a degree on the menu page shown in <u>drawing 4</u> etc.) hang up over this initial HTML page — having — **** — a user — this — degree screen can be chosen now by directing either of degree display items 21. That is, the assignment of a purport of the display HTML name 22 of the full path which indicated the directory of the storing location of this following display item to each hiding in the above-mentioned following display item 21 from a user in the format (it not being displayed on a screen but stored in the memory of the above-mentioned user terminal 10 etc.) which is not in sight, and being given to it as a parameter, and adding to the display HTML name 22 of this full path, and starting the above-mentioned access means 7 is made. Degree screen corresponding to degree display item 21 of the specification chosen as mentioned above by this based on directions of a user can be displayed.

[0018] In addition, when it is judged as a result of the above-mentioned check that he is not the user by whom the access permission to the above-mentioned limited contents B was given, access to the above-mentioned initial HTML page is not performed, but the display of a purport without an access permission is made by the above-mentioned display 13 (S8).

[0019] next, the above which the user chose — if degree display item 21 is performed (S9) — this — the display HTML name 22 of the full path of the display [degree] item 21 is transmitted to the above-mentioned control means 5 like URL of the above-mentioned password page as a parameter, and the above-mentioned access means 7 is started. Degree display chosen by the display HTML name 22 of the full path which is the transmitted parameter is accessed (S10), this following display is transmitted to a user terminal 10 like the above-mentioned password page, and it is expressed to the above-mentioned display 13 as this access means 7 (S11). access to degree display of the limited contents B after this — the above — it is carried out like the access method to degree display.

[0020] Moreover, by choosing and performing the link established in the screen under access in the above-mentioned limited contents B even if it was a user under utilization at which event with the above-mentioned input means 14, or inputting URL of the direct release contents A with the above-mentioned input means 14 from on the above-mentioned browser, access of the above-mentioned limited contents B can be ended, and it can move to access of the release contents A.

[0021]
[Effect of the Invention] According to the contents security approach and system of the Internet of this invention, access from the user by whom the access permission to these limited contents is not given can be certainly prevented by having prepared limited contents in other directories other than the service directory on a server, and having formed an access means to access the above-mentioned limited contents when it is judged that it is access [user / by whom the access permission was given] in the service directory on the above-mentioned server.

[Translation done.]

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] It is the conceptual diagram of the network where this invention is applied.
[Drawing 2] It is the block diagram of one example of this invention.
[Drawing 3] It is flow drawing of one example of this invention.
[Drawing 4] It is the example of a screen of one example of this invention.
[Drawing 5] It is the conventional system concept drawing.
[Description of Notations]
1 31 Server
2 32 Service Directory
3 Other Directories
4 12 Transceiver means
5 11 Control means
6 Parameter Decision Means
7 Access Means
10 33 User terminal
13 Display
20 34 Network
A Release contents
B Limited contents

[Translation done.]

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